

**WAUKESHA
COUNTY**
Department of Administration



November 23, 2004

Amendment No. 1

Formal Bid No. 0453
Description: SAN Hardware/Software, Hitachi
Opening Date: 12/7/04

Notice to Bidders:

An Invitation to Bid on the above was sent to you. Please note the following:

This amendment should be attached to your bid and submitted in accordance with the directions stated on the Invitation to Bid (changing the opening date if applicable) before 10:30 a.m. on the opening date. If you have already submitted your bid, your amendment must be submitted prior to 10:30 a.m. on the opening date in a sealed envelope and identified in the lower left corner as follows:

1. What size and speed of drives are installed in the existing 9570 storage system at Waukesha?

There are a total of 53 drives. Each drive is 10,000 RPM.

2. What level of RAID is used currently and how many drives are in each RAID set? How many RAID sets are currently configured? How many drives total are installed in the existing 9570 storage subsystem?

We have a total of 7 RAID groups. All drives are arrayed in RAID 5 Groups in one of 3 sizes; 5+1, 6+1 or 7+1. There are 2 hot spares in the current configuration.

3. How far is the secondary site from the primary site?

The secondary site is approximately 2 fiber miles from primary site. Fiber is OH-free, single mode fiber installed less than 2 years ago.

4. What speed and type of network is to be used for replication between the two sites?

The speed and type is 2Gb bi-directional, switch-to-switch.

5. What type of data will be replicated between the two storage systems?

All types including standard files, database and e-mail, therefore, indicate any limitations in acceptable data types.

Purchasing Division

1320 Pewaukee Road, Room 370
Waukesha, Wisconsin 53188-2473
Phone: (262)548-7888
Fax: (262)548-7668

6. Are any fiber switches and cabling required at the secondary site for the 9585 storage system? If not, what type of infrastructure exists at the secondary site to connect the 9585?

No, they already exist. We have 2 Spherion 4500 24-port fiber switches at each site. We believe there is sufficient port space to accommodate the new SAN. Each Spherion is connected to its partner at the other location. In other words, switch 1 here is connected to switch 1 at the remote site and likewise for switch 2.

7. As part of the install/setup/configuration of the 9585 storage system, should training be included for Waukesha's IT staff? If so, how many individuals would attend? Would offsite training be acceptable?

Training will be required to the extent necessary to differentiate the 9585 from the operation of the 9570. We are familiar with DAMP as it pertains to the 9570. What is required is enough on-site training to show us how functions differ between the two devices and to set up True-Copy on at least 2 LUNs. Indicate below the cost for training for a maximum of 8 hours. Additionally, state the hourly rate that can be added or deducted from this cost should more or less training be required.

Training Cost for 8 hours: \$ _____ Hourly Rate for Adding/Deducting: \$ _____

8. How many years of warranty are required for the 9585 storage system?

All systems should include manufacturer's standard warranty. Additionally, we have requested pro-rated support/maintenance to expire 6/30/05 and for one additional year on the pricing document. Support/Maintenance is to be 7x24 w/4 hour response time.

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ANY BID/AMENDMENT RECEIVED IN AN ENVELOPE NOT PROPERLY AND CLEARLY MARKED AS SPECIFIED MAY RESULT IN THE BID BEING REJECTED. The County is not liable for any bid submitted in an improperly marked envelope.

Sincerely,

Cindy Greco
Senior Buyer

This is to certify that I/we have read the above and have incorporated it in my/our response. I/we understand that the same terms and conditions of the Invitation to Bid apply to the above.

Printed Name: _____ Date: _____

Signature: _____ Name of Firm: _____

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